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Sequence Listing was accepted.
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Reviewer: Durreshwar Anjum
Timestamp: [year=2009; month=9; day=16; hr=13; min=53; sec=41; ms=601;]
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Validated By CRFValidator v 1.0.3

Application No: 10539992 Version No: 4.0

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Finished: 2009-08-31 20:08:28.859
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Total Errors: 0
No. of SeqIDs Defined: 119
Actual SeqID Count: 119

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Input Set:

Output Set:

Started: 2009-08-31 20:08:25.390
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No. of SeqIDs Defined: 119
Actual SeqID Count: 119

Error code	Error Description

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<130> 59150-8035

<140> 10539992
<141> 2009-08-31

<150> PCT/JP2003/015753
<151> 2003-12-09

<150> JP 2002-369700
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<213> Oryza sativa

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20 25 30

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Leu Gln Pro His Leu Met Leu Gln Gln Gln Met Leu Ser Pro Cys Gly
        35                  40                  45
Glu Phe Val Arg Gln Gln Cys Ser Thr Val Ala Thr Pro Phe Phe Gln
    50                  55                  60
Ser Pro Val Phe Gln Leu Arg Asn Cys Gln Val Met Gln Gln Gln Cys
65                  70                  75                  80
Cys Gln Gln Leu Arg Met Ile Ala Gln Gln Ser His Cys Gln Ala Ile
                85                  90                  95
Ser Ser Val Gln Ala Ile Val Gln Gln Leu Arg Leu Gln Gln Phe Ala
            100                 105                 110
Ser Val Tyr Phe Asp Gln Ser Gln Ala Gln Ala Gln Ala Met Leu Ala
        115                 120                 125
Leu Asn Met Pro Ser Ile Cys Gly Ile Tyr Pro Ser Tyr Asn Thr Ala
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145                 150                 155
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<213> Oryza sativa

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taaggcaaca gcatagcata gtggcaaccc ccttctggca accagctacg tttcaattga    240
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<223> 13kD prolamin RM1

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            20                  25                  30
Leu Gln Ser His Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
        35                  40                  45
Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
    50                  55                  60
Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
65                  70                  75                  80
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Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
                85                  90                  95
Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly
            100                 105                 110
Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
        115                 120                 125
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cgcgccccat cccggtgcgc gacccatcgt tcacacagtt caagcattat acagaaaaat    180
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gctgcatgca ggcctctgcc gagtttgatg tttttaggtc aaagttatag gcaatatcag    300
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aaccaagtct ggcaacatca ggctggtggc caacaatctc gctatcagga cattaacatt    480
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aatcaggctc aagctcaagc tctattggct tttaacgtgc catctagata tggtatctac    600
cctaggtact atggtgcacc cagtaccatt accacccttg gcggtgtctt gtaatgtgtt    660
ttaacagtat agtggttcgg aagttaaaaa taagctcaga tatcatcata tgtgacatgt    720
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<213> Oryza sativa

<220>
<223> 13kD prolamin

<400> 6

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Pro Leu Pro Ser Leu Met Phe Leu Gly Gln Ser Tyr Arg Gln Tyr Gln
            20                  25                  30
Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
        35                  40                  45
Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
    50                  55                  60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln His Gln Ala
65                  70                  75                  80
Gly Gly Gln Gln Ser Arg Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile
                85                  90                  95
Ala Tyr Glu Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp Arg
            100                 105                 110
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Asn Gln Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Ser Arg
        115                 120                 125
Tyr Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr
    130                 135                 140
Leu Gly Gly Val Leu
145
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<213> Oryza sativa

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<400> 7

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ctcactatca ggacattaac attgttcagg ccatagcgca gcagctacaa ctccagcagt    480
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<212> PRT
<213> Oryza sativa

<220>
<223> 13kD prolamin

<400> 8

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Ala Ser Ala Gln Phe Asp Val Leu Gly Gln Ser Tyr Arg Gln Tyr Gln
            20                  25                  30
Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
        35                  40                  45
Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
    50                  55                  60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala
65                  70                  75                  80
Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala
                85                  90                  95
Ile Ala Gln Gln Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp
            100                 105                 110
Arg Asn Leu Ala Gln Ala Gln Leu Ala Phe Asn Val Pro Ser Arg Tyr
        115                 120                 125
Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr Leu
    130                 135                 140
Gly Gly Val Leu
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145

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<212> DNA
<213> Oryza sativa

<220>
<223> 13kD prolamin

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<212> PRT
<213> Oryza sativa

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20 25 30
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35 40 45
Cys Ser Thr Val Ala Thr Pro Phe Phe Gln Ser Pro Val Phe Gln Leu
50 55 60
Arg Asn Cys Gln Val Met Gln Gln Gln Cys Cys Gln Gln Leu Arg Met
65 70 75 80
Ile Ala Gln Gln Ser His Cys Gln Ala Ile Ser Ser Val Gln Ala Ile
85 90 95
Val Gln Gln Leu Gln Leu Gln Gln Phe Ser Gly Val Tyr Phe Asp Gln
100 105 110
Ala Gln Ala Gln Ala Gln Ala Met Leu Gly Leu Asn Leu Pro Ser Ile
115 120 125
Cys Gly Ile Tyr Pro Ser Tyr Asn Thr Val Pro Glu Ile Pro Thr Val
130 135 140
Gly Gly Ile Trp Tyr
145

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<213> Oryza sativa

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20 25 30
Leu Gln Ser His Leu Gln Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
35 40 45
Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
50 55 60
Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
65 70 75 80
Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
85 90 95
Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly
100 105 110
Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
115 120 125
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130 135 140
Pro Arg Ser Ile Pro Thr Val Gly Val Ser Gly Thr Glu Leu
145 150 155

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20 25 30
Leu Gln Ser His Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
35 40 45
Glu Phe Val Arg Gln Gln Tyr Ser Ile Val Ala Thr Pro Phe Trp Gln
50 55 60
Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
65 70 75 80
Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
85 90 95
Ser Ile Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Phe Ser
100 105 110
Gly Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Thr Leu Leu Thr
115 120 125
Phe Asn Leu Pro Ser Ile Cys Gly Ile Tyr Pro Asn Tyr Tyr Ser Ala
130 135 140
Pro Arg Ser Ile Ala Thr Val Gly Gly Val Trp Tyr
145 150 155

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<212> DNA
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atattaggca atatcaggtg cagtcgcctc tcctgctaca gcaacaggtg cttagcccat 180
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Ala Thr Ala Gln Phe Asp Val Leu Gly Gln Asn Ile Arg Gln Tyr Gln
20 25 30
Val Gln Ser Pro Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
35 40 45
Glu Phe Val Arg Gln Gln Tyr Ser Ile Ala Ala Ser Thr Phe Leu Gln
50 55 60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Leu Gln Gln Leu Arg
65 70 75 80
Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Val Val Gln Ala
85 90 95
Ile Ala His Gln Leu His Leu Gln Gln Phe Gly Asn Leu Tyr Ile Asp
100 105 110
Arg Asn Leu Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Leu Pro Ser
115 120 125
Thr Tyr Gly Ile Tyr Pro Trp Ser Tyr Ser Ala Pr